

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092622\
 Data File : VD074419.D
 Acq On : 26 Sep 2022 13:56
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 27 02:03:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D092622S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:58:39 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/27/2022
 Supervised By :mohammad ahmed 09/27/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	64347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	102936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	91896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	47313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76233	138.258	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 276.520%#			
35) Dibromofluoromethane	7.804	113	99420	131.291	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 262.580%#			
50) Toluene-d8	10.269	98	352125	149.762	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 299.520%#			
62) 4-Bromofluorobenzene	12.569	95	113096	120.024	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 240.040%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	71139	135.600	ug/l	97
3) Chloromethane	2.146	50	63517	120.111	ug/l	91
4) Vinyl Chloride	2.275	62	64186	142.658	ug/l	96
5) Bromomethane	2.658	94	50215	145.503	ug/l	100
6) Chloroethane	2.816	64	47785	153.207	ug/l	100
7) Trichlorofluoromethane	3.163	101	146003	140.375	ug/l	98
8) Diethyl Ether	3.587	74	48460	156.550	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.963	101	104976	148.101	ug/l	98
10) Methyl Iodide	4.158	142	132769	217.268	ug/l	98
11) Tert butyl alcohol	5.057	59	36594	364.503	ug/l #	94
12) 1,1-Dichloroethene	3.934	96	99687	149.433	ug/l	97
13) Acrolein	3.793	56	26426	683.021	ug/l	99
14) Allyl chloride	4.558	41	104865	153.001	ug/l	99
15) Acrylonitrile	5.246	53	98794	761.688	ug/l	99
16) Acetone	4.022	43	85130	803.175	ug/l	98
17) Carbon Disulfide	4.263	76	216611	142.301	ug/l	99
18) Methyl Acetate	4.563	43	46214	133.599	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	225538	157.279	ug/l	100
20) Methylene Chloride	4.793	84	113390	108.454	ug/l	92
21) trans-1,2-Dichloroethene	5.305	96	105966	149.052	ug/l	93
22) Diisopropyl ether	6.216	45	238840	151.765	ug/l	98
23) Vinyl Acetate	6.152	43	586583	907.164	ug/l	97
24) 1,1-Dichloroethane	6.110	63	175985	147.669	ug/l	99
25) 2-Butanone	7.081	43	110350	753.506	ug/l	92
26) 2,2-Dichloropropane	7.075	77	161674	147.349	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	125284	149.613	ug/l	99
28) Bromochloromethane	7.428	49	57947	151.670	ug/l	100
29) Tetrahydrofuran	7.440	42	63950	763.496	ug/l	98
30) Chloroform	7.593	83	191632	143.376	ug/l	99
31) Cyclohexane	7.875	56	125655	134.558	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	171259	149.119	ug/l	98
36) 1,1-Dichloropropene	8.004	75	135701	145.994	ug/l	99
37) Ethyl Acetate	7.169	43	47406	153.542	ug/l	96
38) Carbon Tetrachloride	7.993	117	139813	158.920	ug/l	97
39) Methylcyclohexane	9.269	83	163187	148.753	ug/l	98
40) Benzene	8.251	78	398556	144.951	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	26855	141.831	ug/l #	93
42) 1,2-Dichloroethane	8.322	62	99981	145.339	ug/l	99
43) Isopropyl Acetate	8.363	43	91982	153.781	ug/l	98
44) Trichloroethene	9.028	130	123008	147.211	ug/l	100
45) 1,2-Dichloropropane	9.304	63	97555	148.657	ug/l	98
46) Dibromomethane	9.393	93	57724	147.432	ug/l	98
47) Bromodichloromethane	9.587	83	149990	150.887	ug/l	98
48) Methyl methacrylate	9.381	41	39676	147.588	ug/l	93
49) 1,4-Dioxane	9.381	88	13663	3531.618	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	234638	761.642	ug/l	100
52) Toluene	10.334	92	267360	150.946	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	134646	162.644	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	162883	154.806	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	82600	152.504	ug/l	97
56) Ethyl methacrylate	10.598	69	96717	160.513	ug/l	99
57) 1,3-Dichloropropane	10.881	76	132737	151.883	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	110872	1183.973	ug/l	100
59) 2-Hexanone	10.922	43	166159	801.790	ug/l	98
60) Dibromochloromethane	11.069	129	103998	154.162	ug/l	98
61) 1,2-Dibromoethane	11.181	107	77510	148.486	ug/l	98
64) Tetrachloroethene	10.810	164	102014	142.210	ug/l	90
65) Chlorobenzene	11.604	112	297094	149.974	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	111857	156.347	ug/l	98
67) Ethyl Benzene	11.681	91	536611	154.083	ug/l	99
68) m/p-Xylenes	11.792	106	422527	308.095	ug/l	98
69) o-Xylene	12.116	106	200961	157.809	ug/l	98
70) Styrene	12.134	104	339945	153.815	ug/l	99
71) Bromoform	12.298	173	62111	157.273	ug/l #	96
73) Isopropylbenzene	12.416	105	537505	153.646	ug/l	100
74) N-amyl acetate	12.228	43	86591	157.298	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.669	83	90889	148.258	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	62381m	170.812	ug/l	
77) Bromobenzene	12.698	156	125661	150.713	ug/l	98
78) n-propylbenzene	12.757	91	630513	149.709	ug/l	100
79) 2-Chlorotoluene	12.845	91	341932	150.615	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	433647	149.860	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	26047	176.607	ug/l	96
82) 4-Chlorotoluene	12.939	91	341764	146.354	ug/l	100
83) tert-Butylbenzene	13.163	119	391816	150.438	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	430671	149.495	ug/l	98
85) sec-Butylbenzene	13.339	105	589382	150.120	ug/l	98
86) p-Isopropyltoluene	13.457	119	502976	153.638	ug/l	100
87) 1,3-Dichlorobenzene	13.451	146	258661	151.474	ug/l	99
88) 1,4-Dichlorobenzene	13.533	146	248584	145.464	ug/l	98
89) n-Butylbenzene	13.781	91	460119	151.889	ug/l	99
90) Hexachloroethane	14.051	117	92129	159.035	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	218694	147.404	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	12861	166.705	ug/l	97
93) 1,2,4-Trichlorobenzene	15.092	180	155233	155.283	ug/l	99
94) Hexachlorobutadiene	15.198	225	85026	154.123	ug/l	99
95) Naphthalene	15.328	128	296020	161.037	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	135007	155.545	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

