

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121422\
 Data File : VD075015.D
 Acq On : 14 Dec 2022 11:33
 Operator : KP/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/15/2022
 Supervised By :Mahesh Dadoda 12/15/2022

Quant Time: Dec 15 03:03:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D121422S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 15 03:01:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	31704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	48828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	50909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	24416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	8988	39.615	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.220%		
35) Dibromofluoromethane	7.804	113	8471	27.719	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	55.440%		
50) Toluene-d8	10.269	98	24082	25.706	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	51.420%		
62) 4-Bromofluorobenzene	12.581	95	7194	23.917	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	47.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	3049	16.342	ug/l	98
3) Chloromethane	2.146	50	9139	25.771	ug/l	99
4) Vinyl Chloride	2.275	62	7943	20.707	ug/l	95
5) Bromomethane	2.687	94	8918	32.029	ug/l	93
6) Chloroethane	2.828	64	7068	24.910	ug/l	91
7) Trichlorofluoromethane	3.169	101	7428	15.903	ug/l	97
8) Diethyl Ether	3.593	74	4736	33.921	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.963	101	4564	14.996	ug/l	95
10) Methyl Iodide	4.169	142	5000	21.064	ug/l #	91
11) Tert butyl alcohol	5.057	59	6214	361.802	ug/l #	87
12) 1,1-Dichloroethene	3.934	96	5837	20.021	ug/l	97
13) Acrolein	3.787	56	10100	323.336	ug/l	97
14) Allyl chloride	4.563	41	7377	22.140	ug/l	96
15) Acrylonitrile	5.252	53	19058	323.465	ug/l	97
16) Acetone	4.022	43	18098	307.375	ug/l	92
17) Carbon Disulfide	4.269	76	15882	23.904	ug/l #	93
18) Methyl Acetate	4.563	43	9989	61.530	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	21434	34.563	ug/l	91
20) Methylene Chloride	4.799	84	10455	23.011	ug/l	96
21) trans-1,2-Dichloroethene	5.305	96	7271	22.873	ug/l	94
22) Diisopropyl ether	6.216	45	19091	25.042	ug/l	95
23) Vinyl Acetate	6.157	43	56151	175.537	ug/l	97
24) 1,1-Dichloroethane	6.116	63	12772	23.607	ug/l	98
25) 2-Butanone	7.081	43	22126	298.366	ug/l	95
26) 2,2-Dichloropropane	7.075	77	10180	20.021	ug/l	99
27) cis-1,2-Dichloroethene	7.087	96	9539	25.385	ug/l	95
28) Bromochloromethane	7.434	49	5349	30.918	ug/l #	98
29) Tetrahydrofuran	7.446	42	12534	315.771	ug/l	98
30) Chloroform	7.598	83	14460	24.508	ug/l	89
31) Cyclohexane	7.881	56	5695	14.041	ug/l	92
32) 1,1,1-Trichloroethane	7.793	97	10313	20.432	ug/l	97
36) 1,1-Dichloropropene	8.010	75	7374	18.364	ug/l	99
37) Ethyl Acetate	7.175	43	9285	59.088	ug/l #	97
38) Carbon Tetrachloride	7.993	117	5775	15.373	ug/l	100
39) Methylcyclohexane	9.275	83	5301	12.967	ug/l	98
40) Benzene	8.251	78	28820	23.896	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	3708	45.518	ug/l	91
42) 1,2-Dichloroethane	8.322	62	9798	33.858	ug/l	97
43) Isopropyl Acetate	8.363	43	13632	51.717	ug/l	93
44) Trichloroethene	9.028	130	6605	20.927	ug/l	87
45) 1,2-Dichloropropane	9.304	63	6942	25.389	ug/l	98
46) Dibromomethane	9.393	93	5350	36.015	ug/l	95
47) Bromodichloromethane	9.581	83	10056	26.667	ug/l #	88
48) Methyl methacrylate	9.381	41	4711	40.713	ug/l	97
49) 1,4-Dioxane	9.387	88	2066	1242.509	ug/l	98
51) 4-Methyl-2-Pentanone	10.157	43	34494	261.814	ug/l	99
52) Toluene	10.334	92	15600	21.892	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	10063	28.954	ug/l #	85
54) cis-1,3-Dichloropropene	10.022	75	10248	24.305	ug/l #	91
55) 1,1,2-Trichloroethane	10.740	97	7556	34.834	ug/l	89
56) Ethyl methacrylate	10.598	69	8748	36.736	ug/l	96
57) 1,3-Dichloropropane	10.881	76	11987	34.112	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	16259	168.019	ug/l	97
59) 2-Hexanone	10.922	43	25095	261.545	ug/l	98
60) Dibromochloromethane	11.075	129	7806	30.809	ug/l	95
61) 1,2-Dibromoethane	11.181	107	7496	38.283	ug/l	98
64) Tetrachloroethene	10.810	164	5484	18.528	ug/l	96
65) Chlorobenzene	11.610	112	18227	19.498	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	6918	21.053	ug/l	96
67) Ethyl Benzene	11.687	91	25968	16.078	ug/l	96
68) m/p-Xylenes	11.792	106	21153	33.377	ug/l	99
69) o-Xylene	12.122	106	10856	18.083	ug/l	99
70) Styrene	12.139	104	18264	17.701	ug/l	98
71) Bromoform	12.298	173	5715	33.836	ug/l #	94
73) Isopropylbenzene	12.422	105	25606	15.858	ug/l	99
74) N-amyl acetate	12.234	43	9406	33.333	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	11206	38.607	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	8382m	39.540	ug/l	
77) Bromobenzene	12.698	156	7588	20.654	ug/l	87
78) n-propylbenzene	12.763	91	30321	15.337	ug/l	99
79) 2-Chlorotoluene	12.851	91	19568	18.169	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	21914	16.418	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	3078	36.893	ug/l	95
82) 4-Chlorotoluene	12.951	91	19537	17.495	ug/l	98
83) tert-Butylbenzene	13.169	119	17596	15.310	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	21803	16.474	ug/l	95
85) sec-Butylbenzene	13.345	105	26453	14.787	ug/l	99
86) p-Isopropyltoluene	13.463	119	21933	14.714	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	14693	18.923	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	15704	20.492	ug/l	98
89) n-Butylbenzene	13.786	91	20527	14.730	ug/l	100
90) Hexachloroethane	14.057	117	4291	16.200	ug/l	97
91) 1,2-Dichlorobenzene	13.833	146	14267	21.526	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	2066	53.739	ug/l	81
93) 1,2,4-Trichlorobenzene	15.104	180	8480	20.759	ug/l	99
94) Hexachlorobutadiene	15.198	225	3477	16.529	ug/l	95
95) Naphthalene	15.333	128	24608	31.850	ug/l	98
96) 1,2,3-Trichlorobenzene	15.528	180	8055	23.249	ug/l	98

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

