

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100623\
 Data File : VD077286.D
 Acq On : 06 Oct 2023 12:42
 Operator : JC/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/09/2023
 Supervised By :Semsettin Yesilyurt 10/09/2023

Quant Time: Oct 07 01:21:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 07 01:15:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	180460	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	316856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	302044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	164868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	43880	19.944	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.880%#		
35) Dibromofluoromethane	7.810	113	49359	18.340	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	36.680%#		
50) Toluene-d8	10.269	98	164785	18.182	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	36.360%#		
62) 4-Bromofluorobenzene	12.575	95	57289	19.049	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.100%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	50516	20.160	ug/l	100
3) Chloromethane	2.146	50	79495	20.387	ug/l	99
4) Vinyl Chloride	2.281	62	97786	20.377	ug/l	98
5) Bromomethane	2.675	94	69585	21.118	ug/l	100
6) Chloroethane	2.828	64	41112	13.415	ug/l	94
7) Trichlorofluoromethane	3.163	101	65315	13.471	ug/l	100
8) Diethyl Ether	3.593	74	27788	20.084	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.958	101	60306	20.566	ug/l	94
10) Methyl Iodide	4.152	142	70213	20.142	ug/l	91
11) Tert butyl alcohol	5.058	59	17219	115.030	ug/l #	91
12) 1,1-Dichloroethene	3.934	96	56303	19.840	ug/l	95
13) Acrolein	3.793	56	10728	70.683	ug/l	95
14) Allyl chloride	4.563	41	74538	20.752	ug/l	91
15) Acrylonitrile	5.252	53	65219	105.045	ug/l	99
16) Acetone	4.016	43	60592	104.524	ug/l	90
17) Carbon Disulfide	4.269	76	193462	19.852	ug/l	99
18) Methyl Acetate	4.563	43	50299	21.694	ug/l #	87
19) Methyl tert-butyl Ether	5.316	73	120902	21.444	ug/l	98
20) Methylene Chloride	4.793	84	107632	18.926	ug/l	92
21) trans-1,2-Dichloroethene	5.310	96	66392	19.799	ug/l	93
22) Diisopropyl ether	6.216	45	165055	22.290	ug/l	95
23) Vinyl Acetate	6.152	43	317073m	104.560	ug/l	
24) 1,1-Dichloroethane	6.104	63	116995	20.133	ug/l	96
25) 2-Butanone	7.081	43	78926	100.616	ug/l #	79
26) 2,2-Dichloropropane	7.075	77	93040	18.678	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	72329	19.711	ug/l	92
28) Bromochloromethane	7.422	49	46362	20.474	ug/l #	78
29) Tetrahydrofuran	7.451	42	46716	108.980	ug/l #	85
30) Chloroform	7.599	83	120382	20.285	ug/l	90
31) Cyclohexane	7.875	56	89913	19.346	ug/l	98
32) 1,1,1-Trichloroethane	7.787	97	98664	19.644	ug/l	99
36) 1,1-Dichloropropene	8.010	75	86159	19.128	ug/l	95
37) Ethyl Acetate	7.169	43	34336	18.971	ug/l #	91
38) Carbon Tetrachloride	7.987	117	83041	19.942	ug/l	99
39) Methylcyclohexane	9.275	83	96471	19.600	ug/l	94
40) Benzene	8.251	78	263990	19.533	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	18973	19.775	ug/l	90
42) 1,2-Dichloroethane	8.322	62	67093	20.598	ug/l	98
43) Isopropyl Acetate	8.357	43	62749	20.388	ug/l	94
44) Trichloroethene	9.028	130	69116	19.291	ug/l	97
45) 1,2-Dichloropropane	9.304	63	66201	19.374	ug/l	98
46) Dibromomethane	9.393	93	38231	20.173	ug/l	88
47) Bromodichloromethane	9.581	83	87548	19.612	ug/l	99
48) Methyl methacrylate	9.381	41	29412	20.660	ug/l #	80
49) 1,4-Dioxane	9.381	88	7069	421.371	ug/l #	78
51) 4-Methyl-2-Pentanone	10.157	43	166702	105.110	ug/l	90
52) Toluene	10.334	92	165386	19.994	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	81542	20.168	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	100585	21.136	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	51601	20.001	ug/l	97
56) Ethyl methacrylate	10.598	69	53417	20.849	ug/l	93
57) 1,3-Dichloropropane	10.881	76	81699	19.984	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	141546	167.067	ug/l	96
59) 2-Hexanone	10.922	43	119799	107.353	ug/l	88
60) Dibromochloromethane	11.075	129	59509	20.559	ug/l	98
61) 1,2-Dibromoethane	11.181	107	48647	20.417	ug/l	97
64) Tetrachloroethene	10.804	164	57045	19.639	ug/l	95
65) Chlorobenzene	11.610	112	172599	19.675	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	62931	20.128	ug/l	95
67) Ethyl Benzene	11.681	91	297666	20.039	ug/l	97
68) m/p-Xylenes	11.792	106	238828	40.890	ug/l	90
69) o-Xylene	12.122	106	106910	19.957	ug/l	90
70) Styrene	12.134	104	190559	20.892	ug/l	98
71) Bromoform	12.298	173	33779	19.215	ug/l #	95
73) Isopropylbenzene	12.422	105	279369	18.943	ug/l	95
74) N-amyl acetate	12.234	43	57329	19.096	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	59173	19.422	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	46338m	15.223	ug/l	
77) Bromobenzene	12.698	156	67292	18.832	ug/l	88
78) n-propylbenzene	12.763	91	356650	19.113	ug/l	94
79) 2-Chlorotoluene	12.851	91	195963	19.422	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	235786	19.109	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	17094	6.424	ug/l	94
82) 4-Chlorotoluene	12.945	91	208794	19.362	ug/l	96
83) tert-Butylbenzene	13.169	119	195363	18.617	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	240088	19.898	ug/l	95
85) sec-Butylbenzene	13.345	105	304083	19.068	ug/l	96
86) p-Isopropyltoluene	13.463	119	247949	19.072	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	142295	19.146	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	137970	18.369	ug/l	95
89) n-Butylbenzene	13.786	91	238607	18.600	ug/l	97
90) Hexachloroethane	14.051	117	50725	18.184	ug/l	88
91) 1,2-Dichlorobenzene	13.834	146	122519	19.075	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	7648	19.609	ug/l	98
93) 1,2,4-Trichlorobenzene	15.104	180	68150	18.206	ug/l	99
94) Hexachlorobutadiene	15.204	225	35822	17.362	ug/l	96
95) Naphthalene	15.333	128	127656	18.617	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	60967	18.454	ug/l	98

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

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