

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051523\
 Data File : VD076112.D
 Acq On : 15 May 2023 12:51
 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 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023

Quant Time: May 16 10:02:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 09:59:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	243879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	399014	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	370716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	192565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	48680	20.653	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.300%#		
35) Dibromofluoromethane	7.805	113	57139	20.717	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.440%#		
50) Toluene-d8	10.269	98	225016	20.929	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	41.860%#		
62) 4-Bromofluorobenzene	12.575	95	62254	20.844	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	41.680%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	47041	21.387	ug/l	100
3) Chloromethane	2.146	50	85635	21.144	ug/l	94
4) Vinyl Chloride	2.281	62	97385	20.530	ug/l	96
5) Bromomethane	2.675	94	63228	19.798	ug/l	96
6) Chloroethane	2.828	64	66260	20.762	ug/l	94
7) Trichlorofluoromethane	3.169	101	83213	20.696	ug/l	97
8) Diethyl Ether	3.587	74	26425	19.985	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.969	101	56860	21.469	ug/l	95
10) Methyl Iodide	4.158	142	55023	19.981	ug/l #	87
11) Tert butyl alcohol	5.052	59	12598	101.041	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	53556	20.318	ug/l	91
13) Acrolein	3.787	56	31060	101.786	ug/l	98
14) Allyl chloride	4.558	41	53052	19.832	ug/l #	81
15) Acrylonitrile	5.258	53	55628	101.610	ug/l	97
16) Acetone	4.028	43	43645	93.068	ug/l #	84
17) Carbon Disulfide	4.264	76	163155	21.264	ug/l #	94
18) Methyl Acetate	4.564	43	33479	20.013	ug/l #	78
19) Methyl tert-butyl Ether	5.316	73	102736	19.914	ug/l	99
20) Methylene Chloride	4.793	84	98200	20.848	ug/l #	77
21) trans-1,2-Dichloroethene	5.311	96	62138	20.455	ug/l #	76
22) Diisopropyl ether	6.216	45	130959	21.091	ug/l #	93
23) Vinyl Acetate	6.152	43	238597m	97.235	ug/l	
24) 1,1-Dichloroethane	6.110	63	100771	20.578	ug/l	97
25) 2-Butanone	7.087	43	60778	103.074	ug/l #	73
26) 2,2-Dichloropropane	7.069	77	81410	20.388	ug/l	90
27) cis-1,2-Dichloroethene	7.075	96	68595	20.348	ug/l	82
28) Bromochloromethane	7.422	49	34480	21.117	ug/l #	61
29) Tetrahydrofuran	7.446	42	34601	100.676	ug/l #	65
30) Chloroform	7.593	83	107321	20.494	ug/l	95
31) Cyclohexane	7.875	56	74800	20.721	ug/l #	85
32) 1,1,1-Trichloroethane	7.793	97	86220	20.660	ug/l	96
36) 1,1-Dichloropropene	8.004	75	74726	20.061	ug/l	90
37) Ethyl Acetate	7.169	43	26186	20.301	ug/l #	80
38) Carbon Tetrachloride	7.987	117	68275	20.292	ug/l	94
39) Methylcyclohexane	9.269	83	83431	19.455	ug/l	96
40) Benzene	8.252	78	241321	20.151	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	13079	18.493	ug/l #	69
42) 1,2-Dichloroethane	8.322	62	57312	20.233	ug/l	91
43) Isopropyl Acetate	8.363	43	46074	19.122	ug/l #	87
44) Trichloroethene	9.028	130	68674	20.348	ug/l	91
45) 1,2-Dichloropropane	9.304	63	58768	19.895	ug/l	94
46) Dibromomethane	9.393	93	33553	20.265	ug/l	91
47) Bromodichloromethane	9.587	83	80318	20.184	ug/l	95
48) Methyl methacrylate	9.381	41	20281	19.018	ug/l #	58
49) 1,4-Dioxane	9.387	88	7155	404.104	ug/l #	80
51) 4-Methyl-2-Pentanone	10.157	43	126184	98.467	ug/l #	83
52) Toluene	10.334	92	155255	20.757	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	72679	20.265	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	87786	20.057	ug/l #	75
55) 1,1,2-Trichloroethane	10.734	97	49921	21.025	ug/l	96
56) Ethyl methacrylate	10.598	69	46336	19.415	ug/l #	70
57) 1,3-Dichloropropane	10.881	76	74847	20.093	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	115314	100.702	ug/l	91
59) 2-Hexanone	10.922	43	90205	99.813	ug/l	77
60) Dibromochloromethane	11.075	129	54142	20.280	ug/l	99
61) 1,2-Dibromoethane	11.181	107	44356	21.000	ug/l	99
64) Tetrachloroethene	10.810	164	56759	19.911	ug/l	95
65) Chlorobenzene	11.610	112	169527	20.087	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	58098	20.004	ug/l	96
67) Ethyl Benzene	11.687	91	266153	19.736	ug/l	98
68) m/p-Xylenes	11.793	106	227836	41.337	ug/l	89
69) o-Xylene	12.122	106	97956	19.477	ug/l	95
70) Styrene	12.134	104	177945	20.408	ug/l	93
71) Bromoform	12.298	173	32921	20.151	ug/l #	100
73) Isopropylbenzene	12.422	105	246529	19.353	ug/l	97
74) N-amyl acetate	12.234	43	43122	19.005	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.675	83	54196	19.795	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	38044m	23.386	ug/l	
77) Bromobenzene	12.704	156	68016	19.921	ug/l	90
78) n-propylbenzene	12.763	91	314992	19.866	ug/l	98
79) 2-Chlorotoluene	12.851	91	173791	19.804	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	210966	19.978	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.469	75	16034	19.961	ug/l #	75
82) 4-Chlorotoluene	12.945	91	183009	19.606	ug/l	91
83) tert-Butylbenzene	13.169	119	171348	19.200	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	211491	20.110	ug/l	95
85) sec-Butylbenzene	13.345	105	273751	19.682	ug/l	96
86) p-Isopropyltoluene	13.463	119	224887	19.761	ug/l	94
87) 1,3-Dichlorobenzene	13.463	146	137277	19.886	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	137460	20.110	ug/l	98
89) n-Butylbenzene	13.787	91	213072	19.867	ug/l	98
90) Hexachloroethane	14.057	117	46573	19.895	ug/l	90
91) 1,2-Dichlorobenzene	13.834	146	124797	20.600	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	7292	20.513	ug/l	89
93) 1,2,4-Trichlorobenzene	15.104	180	73586	20.882	ug/l	97
94) Hexachlorobutadiene	15.204	225	37098	20.648	ug/l	98
95) Naphthalene	15.334	128	125906	19.229	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	64975	20.274	ug/l	97

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

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