

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121623\
 Data File : VD077930.D
 Acq On : 16 Dec 2023 13:17
 Operator : RP/MD
 Sample : VD1216SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 18 01:56:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	116988	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	207465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	188485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	98852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	71782	52.071	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.140%			
35) Dibromofluoromethane	7.804	113	78111	53.750	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.500%			
50) Toluene-d8	10.269	98	306425	52.647	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.300%			
62) 4-Bromofluorobenzene	12.569	95	91801	52.755	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.520%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	29935	20.484	ug/l	95
3) Chloromethane	2.152	50	44378	22.279	ug/l	97
4) Vinyl Chloride	2.287	62	62523	23.121	ug/l	95
5) Bromomethane	2.687	94	39223	25.849	ug/l	99
6) Chloroethane	2.840	64	44725	24.259	ug/l	91
7) Trichlorofluoromethane	3.175	101	53202	21.362	ug/l	92
8) Diethyl Ether	3.593	74	14098	20.159	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.963	101	30098	21.124	ug/l	98
10) Methyl Iodide	4.163	142	25448	24.373	ug/l	# 89
11) Tert butyl alcohol	5.052	59	8136	116.541	ug/l	# 86
12) 1,1-Dichloroethene	3.934	96	27330	19.435	ug/l	86
13) Acrolein	3.805	56	12956	88.847	ug/l	96
14) Allyl chloride	4.563	41	37716	19.501	ug/l	89
15) Acrylonitrile	5.252	53	33739	112.677	ug/l	97
16) Acetone	4.016	43	42030	125.341	ug/l	# 86
17) Carbon Disulfide	4.269	76	86028	18.082	ug/l	97
18) Methyl Acetate	4.563	43	23172	21.343	ug/l	90
19) Methyl tert-butyl Ether	5.316	73	62582	20.976	ug/l	93
20) Methylene Chloride	4.799	84	42521	23.476	ug/l	85
21) trans-1,2-Dichloroethene	5.316	96	33371	20.951	ug/l	92
22) Diisopropyl ether	6.222	45	82996	20.535	ug/l	# 92
23) Vinyl Acetate	6.157	43	199098	100.876	ug/l	95
24) 1,1-Dichloroethane	6.116	63	56618	20.686	ug/l	98
25) 2-Butanone	7.081	43	47309	116.848	ug/l	88
26) 2,2-Dichloropropane	7.081	77	47503	20.671	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	37543	21.905	ug/l	91
28) Bromochloromethane	7.422	49	22340	20.199	ug/l	# 75
29) Tetrahydrofuran	7.446	42	22903	104.333	ug/l	89
30) Chloroform	7.599	83	60310	22.017	ug/l	89
31) Cyclohexane	7.881	56	46949	19.147	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	49887	20.659	ug/l	98
36) 1,1-Dichloropropene	8.004	75	43770	18.830	ug/l	96
37) Ethyl Acetate	7.163	43	14596	16.104	ug/l	98
38) Carbon Tetrachloride	7.993	117	45338	19.564	ug/l	96
39) Methylcyclohexane	9.269	83	52275	18.970	ug/l	94
40) Benzene	8.252	78	126898	19.234	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	10128	21.985	ug/l #	86
42) 1,2-Dichloroethane	8.328	62	33948	19.851	ug/l	96
43) Isopropyl Acetate	8.357	43	30793	19.112	ug/l	97
44) Trichloroethene	9.028	130	35505	20.651	ug/l	99
45) 1,2-Dichloropropane	9.310	63	32493	20.260	ug/l	98
46) Dibromomethane	9.393	93	17097	20.147	ug/l	92
47) Bromodichloromethane	9.581	83	44298	20.595	ug/l #	93
48) Methyl methacrylate	9.381	41	17908	19.553	ug/l #	82
49) 1,4-Dioxane	9.381	88	3418	405.632	ug/l #	74
51) 4-Methyl-2-Pentanone	10.157	43	83770	101.874	ug/l	90
52) Toluene	10.334	92	81216	19.845	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	41114	19.905	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	50283	20.135	ug/l #	91
55) 1,1,2-Trichloroethane	10.728	97	24517	21.122	ug/l	93
56) Ethyl methacrylate	10.593	69	20776	20.304	ug/l #	85
57) 1,3-Dichloropropane	10.881	76	41597	20.790	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	59514	101.990	ug/l	94
59) 2-Hexanone	10.922	43	69342	101.643	ug/l	90
60) Dibromochloromethane	11.075	129	30271	21.660	ug/l	98
61) 1,2-Dibromoethane	11.175	107	22037	20.168	ug/l	97
64) Tetrachloroethene	10.810	164	26212	18.921	ug/l	94
65) Chlorobenzene	11.604	112	87428	18.507	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.675	131	31680	20.212	ug/l	96
67) Ethyl Benzene	11.681	91	155017	19.754	ug/l	96
68) m/p-Xylenes	11.792	106	120245	40.060	ug/l	92
69) o-Xylene	12.122	106	56195	20.314	ug/l	94
70) Styrene	12.134	104	85521	20.791	ug/l	95
71) Bromoform	12.298	173	17703	21.616	ug/l #	98
73) Isopropylbenzene	12.422	105	145475	19.417	ug/l	95
74) N-amyl acetate	12.234	43	27872	18.925	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	27756	21.247	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	17658m	20.568	ug/l	
77) Bromobenzene	12.698	156	34033	19.312	ug/l	88
78) n-propylbenzene	12.763	91	183887	20.142	ug/l	96
79) 2-Chlorotoluene	12.851	91	96352	19.694	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	123800	19.812	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	8632	20.371	ug/l	99
82) 4-Chlorotoluene	12.945	91	105194	20.567	ug/l	97
83) tert-Butylbenzene	13.163	119	107535	20.384	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	124248	19.880	ug/l	98
85) sec-Butylbenzene	13.345	105	156040	20.011	ug/l	97
86) p-Isopropyltoluene	13.457	119	137105	19.638	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	71047	19.715	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	71219	18.798	ug/l	98
89) n-Butylbenzene	13.787	91	131243	19.978	ug/l	98
90) Hexachloroethane	14.051	117	27533	21.444	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	61483	20.060	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.439	75	3700	18.943	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	37505	17.915	ug/l	98
94) Hexachlorobutadiene	15.204	225	20600	18.248	ug/l	95
95) Naphthalene	15.328	128	67541	19.417	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	32983	19.110	ug/l	99

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

