

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062123\
 Data File : VD076508.D
 Acq On : 21 Jun 2023 12:53
 Operator : KP/SY
 Sample : VD0621SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

06/22/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Jun 22 01:56:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	122205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	201794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	180483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	91443	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	53297	43.529	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.060%
35) Dibromofluoromethane	7.805	113	55362	46.181	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.360%
50) Toluene-d8	10.269	98	206395	45.398	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.800%
62) 4-Bromofluorobenzene	12.575	95	69082	46.820	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.640%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	20242	21.799	ug/l	96
3) Chloromethane	2.146	50	37298	19.313	ug/l	98
4) Vinyl Chloride	2.276	62	44490	20.652	ug/l	96
5) Bromomethane	2.681	94	29069	20.752	ug/l	96
6) Chloroethane	2.823	64	31512	21.342	ug/l	98
7) Trichlorofluoromethane	3.170	101	41130	23.199	ug/l	98
8) Diethyl Ether	3.593	74	12298	18.432	ug/l	63
9) 1,1,2-Trichlorotrifluo...	3.964	101	25511	22.343	ug/l	96
10) Methyl Iodide	4.158	142	27613	20.399	ug/l	93
11) Tert butyl alcohol	5.069	59	10554	99.835	ug/l	98
12) 1,1-Dichloroethene	3.940	96	23663	21.161	ug/l	88
13) Acrolein	3.793	56	11445	100.514	ug/l	97
14) Allyl chloride	4.558	41	38333	18.745	ug/l #	84
15) Acrylonitrile	5.246	53	32747	95.445	ug/l	94
16) Acetone	4.017	43	30039	103.100	ug/l #	74
17) Carbon Disulfide	4.264	76	57999	18.983	ug/l	99
18) Methyl Acetate	4.558	43	28038	20.881	ug/l #	85
19) Methyl tert-butyl Ether	5.317	73	58781	19.217	ug/l	98
20) Methylene Chloride	4.793	84	41528	20.909	ug/l #	72
21) trans-1,2-Dichloroethene	5.299	96	25676	19.866	ug/l	93
22) Diisopropyl ether	6.211	45	83081	18.788	ug/l #	89
23) Vinyl Acetate	6.158	43	164209	74.918	ug/l #	88
24) 1,1-Dichloroethane	6.105	63	49624	20.097	ug/l	97
25) 2-Butanone	7.081	43	44273	98.244	ug/l #	77
26) 2,2-Dichloropropane	7.069	77	41128	19.319	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	31266	19.989	ug/l	84
28) Bromochloromethane	7.428	49	15859	21.117	ug/l #	70
29) Tetrahydrofuran	7.440	42	27424	94.694	ug/l #	78
30) Chloroform	7.599	83	49548	20.265	ug/l	89
31) Cyclohexane	7.875	56	40096	20.320	ug/l #	84
32) 1,1,1-Trichloroethane	7.793	97	41090	20.790	ug/l	96
36) 1,1-Dichloropropene	8.005	75	35784	21.316	ug/l	95
37) Ethyl Acetate	7.163	43	21087	21.677	ug/l #	89
38) Carbon Tetrachloride	7.993	117	32638	21.752	ug/l	89
39) Methylcyclohexane	9.269	83	42716	21.683	ug/l #	89
40) Benzene	8.252	78	106837	20.869	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.405	41	11620	21.154	ug/l	#	74
42) 1,2-Dichloroethane	8.322	62	30105	21.763	ug/l		94
43) Isopropyl Acetate	8.358	43	37054	20.120	ug/l	#	84
44) Trichloroethene	9.028	130	30417	22.025	ug/l		93
45) 1,2-Dichloropropane	9.305	63	28177	20.300	ug/l		96
46) Dibromomethane	9.393	93	15519	20.871	ug/l		95
47) Bromodichloromethane	9.581	83	37248	20.933	ug/l	#	93
48) Methyl methacrylate	9.381	41	18475	21.887	ug/l	#	66
49) 1,4-Dioxane	9.387	88	3883	435.846	ug/l	#	78
51) 4-Methyl-2-Pentanone	10.157	43	100452	106.703	ug/l	#	85
52) Toluene	10.334	92	68781	21.410	ug/l		97
53) t-1,3-Dichloropropene	10.552	75	36091	19.988	ug/l		92
54) cis-1,3-Dichloropropene	10.016	75	44872	20.961	ug/l	#	80
55) 1,1,2-Trichloroethane	10.734	97	21996	21.148	ug/l		94
56) Ethyl methacrylate	10.599	69	27288	20.093	ug/l	#	64
57) 1,3-Dichloropropane	10.875	76	36884	20.712	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.869	63	60280	104.695	ug/l		92
59) 2-Hexanone	10.922	43	69339	105.885	ug/l		83
60) Dibromochloromethane	11.075	129	26765	22.112	ug/l		96
61) 1,2-Dibromoethane	11.175	107	20736	21.237	ug/l		95
64) Tetrachloroethene	10.810	164	25124	23.191	ug/l		91
65) Chlorobenzene	11.610	112	73378	21.400	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.681	131	27224	22.201	ug/l		98
67) Ethyl Benzene	11.687	91	130989	21.560	ug/l		95
68) m/p-Xylenes	11.793	106	105670	44.555	ug/l		95
69) o-Xylene	12.122	106	48165	21.334	ug/l		89
70) Styrene	12.134	104	83242	21.345	ug/l		96
71) Bromoform	12.304	173	17825	24.210	ug/l	#	92
73) Isopropylbenzene	12.422	105	129293	21.001	ug/l		98
74) N-amyl acetate	12.234	43	33593	18.638	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.675	83	27853	21.924	ug/l		98
76) 1,2,3-Trichloropropane	12.728	75	17973m	19.804	ug/l		
77) Bromobenzene	12.704	156	31006	20.413	ug/l		91
78) n-propylbenzene	12.763	91	161161	21.200	ug/l		96
79) 2-Chlorotoluene	12.846	91	86277	20.668	ug/l		98
80) 1,3,5-Trimethylbenzene	12.904	105	103734	20.632	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.469	75	8448	20.397	ug/l		88
82) 4-Chlorotoluene	12.946	91	90669	20.914	ug/l		96
83) tert-Butylbenzene	13.169	119	95374	21.349	ug/l		94
84) 1,2,4-Trimethylbenzene	13.210	105	106645	21.048	ug/l		95
85) sec-Butylbenzene	13.345	105	143605	21.661	ug/l		99
86) p-Isopropyltoluene	13.463	119	118303	21.356	ug/l		96
87) 1,3-Dichlorobenzene	13.457	146	63744	21.365	ug/l		99
88) 1,4-Dichlorobenzene	13.540	146	64428	21.652	ug/l		99
89) n-Butylbenzene	13.787	91	117216	21.694	ug/l		97
90) Hexachloroethane	14.057	117	21978	21.499	ug/l		95
91) 1,2-Dichlorobenzene	13.828	146	53443	20.499	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	4065	21.258	ug/l		95
93) 1,2,4-Trichlorobenzene	15.104	180	35141	20.225	ug/l		99
94) Hexachlorobutadiene	15.204	225	19897	23.554	ug/l		98
95) Naphthalene	15.328	128	69293	19.943	ug/l		98
96) 1,2,3-Trichlorobenzene	15.522	180	32962	21.774	ug/l		99

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

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