

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061323\
 Data File : VD076400.D
 Acq On : 13 Jun 2023 12:49
 Operator : KP/SY
 Sample : VD0613SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0613SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/14/2023
 Supervised By :Mahesh Dadoda 06/14/2023

Quant Time: Jun 14 05:44:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 13 02:01:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	241160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	402731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	356218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	163824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	130425	46.823	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.640%		
35) Dibromofluoromethane	7.804	113	135370	52.007	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.020%		
50) Toluene-d8	10.269	98	496572	50.342	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.680%		
62) 4-Bromofluorobenzene	12.575	95	163631	48.356	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	43345	20.124	ug/l	98
3) Chloromethane	2.146	50	78733	19.304	ug/l	96
4) Vinyl Chloride	2.275	62	84422	21.632	ug/l	98
5) Bromomethane	2.675	94	45479	22.239	ug/l	98
6) Chloroethane	2.828	64	52752	22.446	ug/l	96
7) Trichlorofluoromethane	3.164	101	80078	20.391	ug/l	93
8) Diethyl Ether	3.587	74	26867	19.043	ug/l	64
9) 1,1,2-Trichlorotrifluo...	3.958	101	48108	20.374	ug/l	96
10) Methyl Iodide	4.163	142	55930	18.420	ug/l	95
11) Tert butyl alcohol	5.052	59	21577	92.663	ug/l #	90
12) 1,1-Dichloroethene	3.940	96	47072	19.547	ug/l	87
13) Acrolein	3.793	56	29237	109.462	ug/l	99
14) Allyl chloride	4.558	41	90964	19.315	ug/l #	84
15) Acrylonitrile	5.252	53	69784	97.211	ug/l	99
16) Acetone	4.016	43	58618	95.728	ug/l #	82
17) Carbon Disulfide	4.263	76	122048	17.640	ug/l	99
18) Methyl Acetate	4.563	43	54115	19.384	ug/l #	82
19) Methyl tert-butyl Ether	5.316	73	129030	19.311	ug/l	98
20) Methylene Chloride	4.793	84	65742	16.228	ug/l #	70
21) trans-1,2-Dichloroethene	5.305	96	53417	19.088	ug/l #	82
22) Diisopropyl ether	6.216	45	187291	19.535	ug/l #	91
23) Vinyl Acetate	6.152	43	464982	112.925	ug/l #	83
24) 1,1-Dichloroethane	6.110	63	108040	20.274	ug/l	96
25) 2-Butanone	7.081	43	91875	95.931	ug/l #	82
26) 2,2-Dichloropropane	7.075	77	90928	18.951	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	65481	19.656	ug/l	86
28) Bromochloromethane	7.422	49	32795	19.711	ug/l #	70
29) Tetrahydrofuran	7.440	42	58508	95.755	ug/l #	76
30) Chloroform	7.593	83	103592	19.504	ug/l	95
31) Cyclohexane	7.875	56	86540	19.417	ug/l	86
32) 1,1,1-Trichloroethane	7.787	97	88961	19.612	ug/l	98
36) 1,1-Dichloropropene	8.004	75	73161	19.257	ug/l	95
37) Ethyl Acetate	7.169	43	42774	21.405	ug/l #	91
38) Carbon Tetrachloride	7.993	117	68313	19.367	ug/l	94
39) Methylcyclohexane	9.275	83	88294	20.184	ug/l	90
40) Benzene	8.252	78	222563	20.151	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	23662	18.510	ug/l #	74
42) 1,2-Dichloroethane	8.322	62	62564	19.022	ug/l	94
43) Isopropyl Acetate	8.357	43	83581	19.949	ug/l #	82
44) Trichloroethene	9.028	130	62328	20.817	ug/l	97
45) 1,2-Dichloropropane	9.304	63	59084	20.127	ug/l	95
46) Dibromomethane	9.393	93	31325	19.336	ug/l	96
47) Bromodichloromethane	9.581	83	77711	19.364	ug/l	98
48) Methyl methacrylate	9.381	41	38678	19.261	ug/l #	68
49) 1,4-Dioxane	9.387	88	7410	385.513	ug/l #	72
51) 4-Methyl-2-Pentanone	10.157	43	208244	100.073	ug/l #	83
52) Toluene	10.334	92	140421	20.111	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	81239	19.792	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	94290	19.975	ug/l #	82
55) 1,1,2-Trichloroethane	10.734	97	43638	20.167	ug/l	89
56) Ethyl methacrylate	10.598	69	59810	19.903	ug/l #	66
57) 1,3-Dichloropropane	10.881	76	75316	20.008	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	123838	101.170	ug/l	92
59) 2-Hexanone	10.922	43	145386	99.672	ug/l	79
60) Dibromochloromethane	11.075	129	52703	19.685	ug/l	94
61) 1,2-Dibromoethane	11.181	107	43280	20.616	ug/l	99
64) Tetrachloroethene	10.810	164	50265	20.554	ug/l	95
65) Chlorobenzene	11.604	112	153009	20.723	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	53445	19.358	ug/l	98
67) Ethyl Benzene	11.681	91	272546	20.041	ug/l	95
68) m/p-Xylenes	11.792	106	206816	40.193	ug/l	89
69) o-Xylene	12.122	106	101423	20.519	ug/l	93
70) Styrene	12.134	104	171564	20.344	ug/l	95
71) Bromoform	12.298	173	32747	20.335	ug/l #	99
73) Isopropylbenzene	12.422	105	260131	20.996	ug/l	97
74) N-amyl acetate	12.234	43	76107	20.143	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.675	83	50821	20.772	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	36671m	23.944	ug/l	
77) Bromobenzene	12.698	156	61273	20.961	ug/l	86
78) n-propylbenzene	12.763	91	322858	21.379	ug/l	96
79) 2-Chlorotoluene	12.851	91	176923	20.703	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	215336	20.823	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	16922	19.782	ug/l	91
82) 4-Chlorotoluene	12.945	91	183592	20.515	ug/l	93
83) tert-Butylbenzene	13.169	119	186333	20.997	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	210972	20.649	ug/l	96
85) sec-Butylbenzene	13.345	105	277296	21.230	ug/l	97
86) p-Isopropyltoluene	13.463	119	231270	21.028	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	119398	21.105	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	118213	21.144	ug/l	95
89) n-Butylbenzene	13.787	91	225387	21.329	ug/l	98
90) Hexachloroethane	14.057	117	42785	21.080	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	103627	20.828	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7277	18.106	ug/l	99
93) 1,2,4-Trichlorobenzene	15.098	180	69915	20.996	ug/l	98
94) Hexachlorobutadiene	15.204	225	35437	21.153	ug/l	97
95) Naphthalene	15.333	128	140536	21.017	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	62383	21.691	ug/l	96

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

