

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041423\
 Data File : VD075676.D
 Acq On : 14 Apr 2023 13:28
 Operator : KP/SY
 Sample : VD0414SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0414SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2023
 Supervised By : Mahesh Dadoda 04/17/2023

Quant Time: Apr 17 01:30:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	206880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	357042	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	329041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	160896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	97610	49.707	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.420%		
35) Dibromofluoromethane	7.804	113	117127	48.773	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.540%		
50) Toluene-d8	10.269	98	473200	49.205	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.420%		
62) 4-Bromofluorobenzene	12.575	95	132620	51.883	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.760%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	41344	21.508	ug/l	97
3) Chloromethane	2.146	50	71411	20.574	ug/l	100
4) Vinyl Chloride	2.281	62	94415	20.499	ug/l	99
5) Bromomethane	2.675	94	71545	19.894	ug/l	96
6) Chloroethane	2.828	64	62216	20.063	ug/l	98
7) Trichlorofluoromethane	3.169	101	75274	21.092	ug/l	92
8) Diethyl Ether	3.593	74	22203	19.989	ug/l	65
9) 1,1,2-Trichlorotrifluo...	3.969	101	46641	20.841	ug/l	96
10) Methyl Iodide	4.158	142	61537	20.092	ug/l	91
11) Tert butyl alcohol	5.058	59	10708	108.654	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	46871	20.228	ug/l	88
13) Acrolein	3.787	56	19783	99.518	ug/l	98
14) Allyl chloride	4.563	41	42449	20.115	ug/l #	79
15) Acrylonitrile	5.258	53	42475	102.383	ug/l	97
16) Acetone	4.016	43	35601	98.961	ug/l #	80
17) Carbon Disulfide	4.263	76	151880	20.029	ug/l	98
18) Methyl Acetate	4.563	43	25025	20.628	ug/l #	69
19) Methyl tert-butyl Ether	5.316	73	87912	19.549	ug/l	97
20) Methylene Chloride	4.799	84	62806	19.782	ug/l #	72
21) trans-1,2-Dichloroethene	5.311	96	55057	19.950	ug/l #	74
22) Diisopropyl ether	6.210	45	96867	20.313	ug/l #	92
23) Vinyl Acetate	6.157	43	227402	102.668	ug/l #	90
24) 1,1-Dichloroethane	6.105	63	79399	20.094	ug/l	95
25) 2-Butanone	7.087	43	46319	99.999	ug/l #	85
26) 2,2-Dichloropropane	7.075	77	70920	19.797	ug/l	91
27) cis-1,2-Dichloroethene	7.081	96	59306	19.400	ug/l	81
28) Bromochloromethane	7.428	49	24852	19.897	ug/l #	46
29) Tetrahydrofuran	7.440	42	26826	105.905	ug/l #	60
30) Chloroform	7.593	83	88877	19.841	ug/l	96
31) Cyclohexane	7.875	56	61724	20.031	ug/l #	69
32) 1,1,1-Trichloroethane	7.793	97	73612	20.153	ug/l	96
36) 1,1-Dichloropropene	8.004	75	66365	20.032	ug/l	94
37) Ethyl Acetate	7.169	43	21659	21.482	ug/l #	81
38) Carbon Tetrachloride	7.987	117	59332	20.337	ug/l	95
39) Methylcyclohexane	9.269	83	78333	20.447	ug/l	91
40) Benzene	8.246	78	201665	19.581	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	10639	21.989	ug/l #	62
42) 1,2-Dichloroethane	8.322	62	47419	20.270	ug/l	89
43) Isopropyl Acetate	8.363	43	36300	19.744	ug/l #	79
44) Trichloroethene	9.028	130	57496	19.726	ug/l	88
45) 1,2-Dichloropropane	9.304	63	45464	19.699	ug/l	98
46) Dibromomethane	9.393	93	28759	19.642	ug/l	96
47) Bromodichloromethane	9.581	83	66766	19.935	ug/l	95
48) Methyl methacrylate	9.381	41	15685	19.149	ug/l #	58
49) 1,4-Dioxane	9.375	88	5875	404.425	ug/l #	75
51) 4-Methyl-2-Pentanone	10.157	43	97252	99.211	ug/l #	81
52) Toluene	10.334	92	133080	19.432	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	59554	18.549	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	71665	18.787	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	40543	19.124	ug/l	95
56) Ethyl methacrylate	10.598	69	37229	17.844	ug/l #	69
57) 1,3-Dichloropropane	10.881	76	61354	19.063	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	91522	102.143	ug/l #	86
59) 2-Hexanone	10.922	43	67295	97.637	ug/l	75
60) Dibromochloromethane	11.075	129	45847	18.481	ug/l	97
61) 1,2-Dibromoethane	11.175	107	37085	18.338	ug/l	96
64) Tetrachloroethene	10.804	164	46176	19.486	ug/l	95
65) Chlorobenzene	11.610	112	136808	19.412	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	47650	19.667	ug/l	96
67) Ethyl Benzene	11.687	91	229439	20.060	ug/l	96
68) m/p-Xylenes	11.793	106	190646	40.671	ug/l	92
69) o-Xylene	12.122	106	85517	20.176	ug/l	94
70) Styrene	12.140	104	148395	19.350	ug/l	94
71) Bromoform	12.298	173	26146	20.644	ug/l #	99
73) Isopropylbenzene	12.422	105	217423	20.590	ug/l	99
74) N-amyl acetate	12.234	43	33067	21.310	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	12.675	83	44449	21.669	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	30500m	23.245	ug/l	
77) Bromobenzene	12.698	156	54381	19.976	ug/l	91
78) n-propylbenzene	12.763	91	274895	21.238	ug/l	99
79) 2-Chlorotoluene	12.851	91	150171	20.455	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	183421	20.836	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	12542	20.718	ug/l #	71
82) 4-Chlorotoluene	12.951	91	157107	20.581	ug/l	92
83) tert-Butylbenzene	13.169	119	150658	20.297	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	184506	20.888	ug/l	95
85) sec-Butylbenzene	13.345	105	241688	21.107	ug/l	99
86) p-Isopropyltoluene	13.463	119	195388	20.496	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	113855	20.104	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	109607	19.590	ug/l	97
89) n-Butylbenzene	13.792	91	179887	20.486	ug/l	99
90) Hexachloroethane	14.057	117	38132	20.133	ug/l	100
91) 1,2-Dichlorobenzene	13.834	146	97605	20.119	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5747	20.899	ug/l	79
93) 1,2,4-Trichlorobenzene	15.104	180	63870	22.629	ug/l	98
94) Hexachlorobutadiene	15.204	225	33951	25.167	ug/l	95
95) Naphthalene	15.334	128	121915	22.800	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	60264	24.259	ug/l	97

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

