

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065643.D
 Acq On : 17 Apr 2020 14:32
 Operator : VA/SY
 Sample : VD0417SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 4:28:18 PM

Quant Time: Apr 20 07:18:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	246565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	353751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	329113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173738	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	98050	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
35) Dibromofluoromethane	7.91	113	99012	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	
50) Toluene-d8	10.34	98	375787	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
62) 4-Bromofluorobenzene	12.64	95	120257	44.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	36155	17.609	ug/l	98
3) Chloromethane	2.21	50	42149	18.811	ug/l	99
4) Vinyl Chloride	2.35	62	47031	19.320	ug/l	96
5) Bromomethane	2.76	94	27944	21.136	ug/l	98
6) Chloroethane	2.92	64	28066	19.393	ug/l	97
7) Trichlorofluoromethane	3.27	101	66997	19.305	ug/l	97
8) Diethyl Ether	3.70	74	14517	20.365	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	44826	28.334	ug/l	99
10) Methyl Iodide	4.29	142	42278	21.061	ug/l	94
11) Tert butyl alcohol	5.24	59	11837	113.548	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	41444	29.143	ug/l	88
13) Acrolein	3.93	56	10663	114.868	ug/l	95
14) Allyl chloride	4.71	41	61840	25.921	ug/l	92
15) Acrylonitrile	5.43	53	44756	104.261	ug/l	99
16) Acetone	4.16	43	45540	151.814	ug/l	98
17) Carbon Disulfide	4.40	76	139411	25.594	ug/l	98
18) Methyl Acetate	4.71	43	24050	25.600	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	79820	19.821	ug/l	97
20) Methylene Chloride	4.96	84	50119	26.405	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	47157	20.521	ug/l	97
22) Diisopropyl ether	6.37	45	127928	19.491	ug/l	98
23) Vinyl Acetate	6.31	43	332447	93.929	ug/l	99
24) 1,1-Dichloroethane	6.26	63	80550	19.425	ug/l	99
25) 2-Butanone	7.22	43	56096	100.224	ug/l	98
26) 2,2-Dichloropropane	7.20	77	72114	19.952	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	48006	18.831	ug/l	98
28) Bromochloromethane	7.54	49	33227	20.063	ug/l	98
29) Tetrahydrofuran	7.57	42	35034	98.650	ug/l	98
30) Chloroform	7.71	83	82362	19.406	ug/l	99
31) Cyclohexane	7.98	56	74449	18.847	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	75648	19.824	ug/l	98
36) 1,1-Dichloropropene	8.11	75	66479	19.462	ug/l	98
37) Ethyl Acetate	7.29	43	26622	19.544	ug/l	99
38) Carbon Tetrachloride	8.10	117	72336	19.770	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	73139	18.400	ug/l	98
40) Benzene	8.35	78	182841	18.618	ug/l	99
41) Methacrylonitrile	7.53	41	13047	19.338	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	52727	19.590	ug/l	98
43) Isopropyl Acetate	8.46	43	46114	18.799	ug/l	100
44) Trichloroethene	9.11	130	52715	19.175	ug/l	99
45) 1,2-Dichloropropane	9.39	63	46076	19.117	ug/l	99
46) Dibromomethane	9.48	93	23403	18.776	ug/l	100
47) Bromodichloromethane	9.67	83	62017	18.685	ug/l	97
48) Methyl methacrylate	9.46	41	21860	17.805	ug/l	93
49) 1,4-Dioxane	9.47	88	5588	387.228	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	117791	92.354	ug/l	98
52) Toluene	10.40	92	120180	19.851	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	57667	18.922	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	65829	17.848	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	33829	19.189	ug/l	98
56) Ethyl methacrylate	10.66	69	34747	18.129	ug/l	98
57) 1,3-Dichloropropane	10.95	76	56669	18.877	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	92705	95.504	ug/l	99
59) 2-Hexanone	10.99	43	83531	95.214	ug/l	99
60) Dibromochloromethane	11.14	129	44870	19.324	ug/l	99
61) 1,2-Dibromoethane	11.25	107	32107	18.927	ug/l	99
64) Tetrachloroethene	10.87	164	45506	19.270	ug/l	97
65) Chlorobenzene	11.67	112	126881	19.472	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	49478	19.860	ug/l	99
67) Ethyl Benzene	11.75	91	216813	19.469	ug/l	100
68) m/p-Xylenes	11.86	106	173488	40.325	ug/l	98
69) o-Xylene	12.18	106	69708	18.466	ug/l	97
70) Styrene	12.20	104	129813	19.428	ug/l	100
71) Bromoform	12.36	173	25592	18.285	ug/l #	97
73) Isopropylbenzene	12.48	105	197855	18.882	ug/l	100
74) N-amyl acetate	12.29	43	39278	17.907	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	37512	19.716	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	28415m	20.341	ug/l	
77) Bromobenzene	12.77	156	54090	19.438	ug/l	98
78) n-propylbenzene	12.83	91	250393	19.753	ug/l	100
79) 2-Chlorotoluene	12.91	91	140334	19.494	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	172001	19.451	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11312	17.748	ug/l	94
82) 4-Chlorotoluene	13.01	91	153039	19.756	ug/l	99
83) tert-Butylbenzene	13.23	119	140222	18.912	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	174406	19.783	ug/l	99
85) sec-Butylbenzene	13.41	105	204544	19.283	ug/l	99
86) p-Isopropyltoluene	13.53	119	189032	18.988	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	104105	19.108	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	103853	19.151	ug/l	99
89) n-Butylbenzene	13.86	91	166480	18.426	ug/l	100
90) Hexachloroethane	14.12	117	40902	19.591	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	85704	18.346	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5779	20.084	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	55342	17.224	ug/l	99
94) Hexachlorobutadiene	15.27	225	39160	17.775	ug/l	100
95) Naphthalene	15.41	128	84753	18.234	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	53031	18.707	ug/l	98

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

