

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065537.D
 Acq On : 27 Mar 2020 11:54
 Operator : VA/SY
 Sample : VD0327SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Manual Integrations
 APPROVED

apatel
 3/30/2020 2:55:25 PM

Quant Time: Mar 30 06:58:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	515975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	747498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	696030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	353755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	223872	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
35) Dibromofluoromethane	7.92	113	237504	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.34	98	922514	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
62) 4-Bromofluorobenzene	12.64	95	292373	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	81910	26.346	ug/l	99
3) Chloromethane	2.21	50	103131	23.686	ug/l	100
4) Vinyl Chloride	2.35	62	105210	22.065	ug/l	95
5) Bromomethane	2.76	94	72380	22.356	ug/l	100
6) Chloroethane	2.92	64	66206	21.487	ug/l	97
7) Trichlorofluoromethane	3.27	101	157858	22.191	ug/l	99
8) Diethyl Ether	3.70	74	48077	21.300	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	101071	21.543	ug/l	98
10) Methyl Iodide	4.29	142	103155	19.002	ug/l	99
11) Tert butyl alcohol	5.24	59	22006	91.110	ug/l	97
12) 1,1-Dichloroethene	4.06	96	91797	20.593	ug/l	97
13) Acrolein	3.93	56	37689	92.420	ug/l	98
14) Allyl chloride	4.71	41	136374	20.107	ug/l	99
15) Acrylonitrile	5.43	53	93963	101.094	ug/l	99
16) Acetone	4.17	43	81463	100.518	ug/l	90
17) Carbon Disulfide	4.40	76	316021	21.505	ug/l	99
18) Methyl Acetate	4.73	43	42752	20.287	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	178815	20.114	ug/l	99
20) Methylene Chloride	4.97	84	113642	19.310	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	104226	20.323	ug/l	97
22) Diisopropyl ether	6.37	45	280509	21.328	ug/l	98
23) Vinyl Acetate	6.31	43	726093	101.353	ug/l	100
24) 1,1-Dichloroethane	6.27	63	176297	21.138	ug/l	98
25) 2-Butanone	7.22	43	113099	102.759	ug/l	99
26) 2,2-Dichloropropane	7.21	77	156274	21.159	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	107798	20.284	ug/l	99
28) Bromochloromethane	7.55	49	71008	20.477	ug/l	99
29) Tetrahydrofuran	7.57	42	69428	97.329	ug/l	100
30) Chloroform	7.71	83	181126	20.965	ug/l	99
31) Cyclohexane	7.98	56	167120	20.699	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	163338	20.927	ug/l	99
36) 1,1-Dichloropropene	8.12	75	144085	21.097	ug/l	99
37) Ethyl Acetate	7.30	43	51167	19.573	ug/l	98
38) Carbon Tetrachloride	8.10	117	152965	21.265	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164135	20.384	ug/l	97
40) Benzene	8.35	78	420733	21.589	ug/l	98
41) Methacrylonitrile	7.53	41	28472	18.867	ug/l	95
42) 1,2-Dichloroethane	8.43	62	109178	21.053	ug/l	99
43) Isopropyl Acetate	8.46	43	96214	20.267	ug/l	98
44) Trichloroethene	9.11	130	117052	20.700	ug/l	97
45) 1,2-Dichloropropane	9.39	63	101559	21.453	ug/l	94
46) Dibromomethane	9.48	93	53649	21.597	ug/l	98
47) Bromodichloromethane	9.67	83	137866	20.950	ug/l	98
48) Methyl methacrylate	9.46	41	43917	19.456	ug/l	96
49) 1,4-Dioxane	9.47	88	11077	410.078	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	258188	107.770	ug/l	99
52) Toluene	10.41	92	262487	21.268	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	120888	20.085	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	152324	20.685	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	75858	21.407	ug/l	93
56) Ethyl methacrylate	10.67	69	75468	19.583	ug/l	94
57) 1,3-Dichloropropane	10.95	76	123151	20.652	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	195529	97.234	ug/l	98
59) 2-Hexanone	10.99	43	168050	102.880	ug/l	97
60) Dibromochloromethane	11.14	129	98301	20.933	ug/l	100
61) 1,2-Dibromoethane	11.25	107	71927	20.972	ug/l	99
64) Tetrachloroethene	10.88	164	104196	20.898	ug/l	96
65) Chlorobenzene	11.67	112	284668	20.920	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	107104	21.107	ug/l	99
67) Ethyl Benzene	11.75	91	474256	20.693	ug/l	100
68) m/p-Xylenes	11.86	106	380943	42.332	ug/l	99
69) o-Xylene	12.19	106	162640	20.637	ug/l	99
70) Styrene	12.20	104	296873	21.327	ug/l	98
71) Bromoform	12.37	173	58034	20.734	ug/l #	99
73) Isopropylbenzene	12.48	105	451463	20.784	ug/l	99
74) N-amyl acetate	12.30	43	82704	19.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	79476	21.065	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	51764m	19.033	ug/l	
77) Bromobenzene	12.77	156	120223	21.180	ug/l	97
78) n-propylbenzene	12.83	91	550482	21.261	ug/l	100
79) 2-Chlorotoluene	12.91	91	309962	20.984	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	384247	21.342	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22553	18.510	ug/l	89
82) 4-Chlorotoluene	13.01	91	332774	21.199	ug/l	100
83) tert-Butylbenzene	13.23	119	308145	20.435	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	381739	21.208	ug/l	99
85) sec-Butylbenzene	13.41	105	453282	21.006	ug/l	98
86) p-Isopropyltoluene	13.53	119	418883	21.065	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	228583	20.919	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	223735	20.491	ug/l	97
89) n-Butylbenzene	13.86	91	372182	20.610	ug/l	99
90) Hexachloroethane	14.12	117	85284	20.452	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	196908	21.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11439	20.125	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	129580	20.200	ug/l	97
94) Hexachlorobutadiene	15.28	225	89743	21.468	ug/l	97
95) Naphthalene	15.41	128	175992	19.037	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	110047	19.974	ug/l	99

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

