

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065644.D
 Acq On : 17 Apr 2020 15:00
 Operator : VA/SY
 Sample : VD0417SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 4:28:21 PM

Quant Time: Apr 20 07:19:37 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	245316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	345281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	327332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	94669	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
35) Dibromofluoromethane	7.91	113	97917	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	
50) Toluene-d8	10.34	98	365458	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.64	95	120234	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	35971	17.609	ug/l	97
3) Chloromethane	2.21	50	42897	19.242	ug/l	100
4) Vinyl Chloride	2.35	62	46199	19.075	ug/l	98
5) Bromomethane	2.76	94	28305	21.518	ug/l	92
6) Chloroethane	2.91	64	27680	19.224	ug/l	94
7) Trichlorofluoromethane	3.27	101	67276	19.484	ug/l	98
8) Diethyl Ether	3.70	74	13323	18.785	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	31730	20.158	ug/l	97
10) Methyl Iodide	4.29	142	29942	17.108	ug/l	98
11) Tert butyl alcohol	5.25	59	9910m	97.055	ug/l	
12) 1,1-Dichloroethene	4.06	96	27452	19.402	ug/l	97
13) Acrolein	3.92	56	8117	87.886	ug/l	100
14) Allyl chloride	4.71	41	42663	19.424	ug/l	99
15) Acrylonitrile	5.43	53	43564	102.001	ug/l	96
16) Acetone	4.16	43	28773	96.407	ug/l	99
17) Carbon Disulfide	4.40	76	93843	19.261	ug/l	99
18) Methyl Acetate	4.72	43	15080	18.466	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	79522	19.847	ug/l	96
20) Methylene Chloride	4.96	84	34341	17.877	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	46926	20.525	ug/l	96
22) Diisopropyl ether	6.37	45	130366	19.964	ug/l	98
23) Vinyl Acetate	6.31	43	334194	94.783	ug/l	97
24) 1,1-Dichloroethane	6.26	63	81744	19.813	ug/l	99
25) 2-Butanone	7.22	43	53462	96.004	ug/l	98
26) 2,2-Dichloropropane	7.21	77	71097	19.771	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	48735	19.214	ug/l	99
28) Bromochloromethane	7.54	49	34133	20.715	ug/l	99
29) Tetrahydrofuran	7.57	42	33569	95.006	ug/l	95
30) Chloroform	7.71	83	83126	19.686	ug/l	96
31) Cyclohexane	7.98	56	76603	19.491	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	75764	19.956	ug/l	99
36) 1,1-Dichloropropene	8.11	75	64241	19.269	ug/l	100
37) Ethyl Acetate	7.30	43	26128	19.651	ug/l	98
38) Carbon Tetrachloride	8.10	117	70969	19.872	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	74969	19.323	ug/l	98
40) Benzene	8.35	78	186174	19.422	ug/l	99
41) Methacrylonitrile	7.53	41	14419	21.896	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	51765	19.705	ug/l	100
43) Isopropyl Acetate	8.46	43	44428	18.556	ug/l	98
44) Trichloroethene	9.11	130	50735	18.908	ug/l	89
45) 1,2-Dichloropropane	9.39	63	45298	19.255	ug/l	98
46) Dibromomethane	9.48	93	22390	18.404	ug/l	97
47) Bromodichloromethane	9.67	83	63222	19.515	ug/l	94
48) Methyl methacrylate	9.46	41	19829	16.669	ug/l	93
49) 1,4-Dioxane	9.47	88	4826	346.059	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	115774	92.931	ug/l	98
52) Toluene	10.40	92	118439	20.043	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	57666	19.386	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	70014	19.448	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	34217	19.885	ug/l	98
56) Ethyl methacrylate	10.67	69	33266	17.849	ug/l	96
57) 1,3-Dichloropropane	10.95	76	53557	18.278	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	92088	96.979	ug/l	98
59) 2-Hexanone	10.99	43	74918	88.298	ug/l	97
60) Dibromochloromethane	11.14	129	42854	18.909	ug/l	100
61) 1,2-Dibromoethane	11.25	107	31573	19.069	ug/l	100
64) Tetrachloroethene	10.88	164	46255	19.694	ug/l	94
65) Chlorobenzene	11.67	112	128037	19.756	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	47032	18.981	ug/l	97
67) Ethyl Benzene	11.75	91	215621	19.468	ug/l	99
68) m/p-Xylenes	11.86	106	171167	40.002	ug/l	99
69) o-Xylene	12.18	106	72380	19.278	ug/l	100
70) Styrene	12.20	104	132964	20.008	ug/l	100
71) Bromoform	12.37	173	26219	18.835	ug/l #	100
73) Isopropylbenzene	12.48	105	203096	19.974	ug/l	99
74) N-amyl acetate	12.30	43	39268	18.365	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	34797	18.848	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	22901m	16.895	ug/l	
77) Bromobenzene	12.77	156	52639	19.495	ug/l	99
78) n-propylbenzene	12.83	91	250770	20.387	ug/l	100
79) 2-Chlorotoluene	12.91	91	141547	20.264	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	173605	20.232	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	12162	19.664	ug/l	99
82) 4-Chlorotoluene	13.01	91	149684	19.913	ug/l	98
83) tert-Butylbenzene	13.23	119	141397	19.653	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	175957	20.569	ug/l	99
85) sec-Butylbenzene	13.41	105	199594	19.391	ug/l	99
86) p-Isopropyltoluene	13.53	119	192547	19.933	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	106199	20.088	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	102365	19.453	ug/l	97
89) n-Butylbenzene	13.86	91	163445	18.642	ug/l	98
90) Hexachloroethane	14.12	117	40156	19.822	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	83640	18.451	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5456	19.541	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	59743	19.162	ug/l	99
94) Hexachlorobutadiene	15.28	225	42507	19.884	ug/l	98
95) Naphthalene	15.41	128	83506	18.451	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	52921	19.239	ug/l	100

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

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