

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064592.D
 Acq On : 26 Dec 2019 11:48
 Operator : VA/SY
 Sample : VD1226SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Manual Integrations
 APPROVED

apatel
 12/27/2019 2:07:06 PM

Quant Time: Dec 27 02:37:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	453635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	659662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	581141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287430	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	204038	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	7.92	113	205151	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.34	98	790894	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.64	95	245571	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74991	21.272	ug/l	99
3) Chloromethane	2.21	50	105628	21.423	ug/l	97
4) Vinyl Chloride	2.35	62	123498	20.543	ug/l	99
5) Bromomethane	2.76	94	90821	20.778	ug/l	97
6) Chloroethane	2.92	64	83242	20.665	ug/l	95
7) Trichlorofluoromethane	3.27	101	217001	21.438	ug/l	97
8) Diethyl Ether	3.71	74	42482	21.135	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88656	21.149	ug/l	98
10) Methyl Iodide	4.30	142	92242	20.485	ug/l	98
11) Tert butyl alcohol	5.25	59	25828	112.664	ug/l	100
12) 1,1-Dichloroethene	4.06	96	83085	20.818	ug/l	96
13) Acrolein	3.92	56	30466	95.358	ug/l	98
14) Allyl chloride	4.71	41	130235	20.930	ug/l	98
15) Acrylonitrile	5.43	53	88802	106.064	ug/l	100
16) Acetone	4.17	43	83850	95.160	ug/l #	87
17) Carbon Disulfide	4.40	76	272424	21.110	ug/l	99
18) Methyl Acetate	4.73	43	48151	21.381	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	187214	21.119	ug/l	100
20) Methylene Chloride	4.96	84	98197	21.187	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	97681	21.491	ug/l	96
22) Diisopropyl ether	6.37	45	266663	21.486	ug/l	96
23) Vinyl Acetate	6.31	43	754232	107.128	ug/l	98
24) 1,1-Dichloroethane	6.27	63	159383	21.391	ug/l	96
25) 2-Butanone	7.23	43	113817	103.514	ug/l	99
26) 2,2-Dichloropropane	7.21	77	147197	21.248	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	104241	21.251	ug/l	98
28) Bromochloromethane	7.55	49	54032	18.655	ug/l	98
29) Tetrahydrofuran	7.57	42	75144	109.896	ug/l	95
30) Chloroform	7.71	83	161346	20.640	ug/l	95
31) Cyclohexane	7.98	56	156751	21.017	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	153039	20.843	ug/l	99
36) 1,1-Dichloropropene	8.11	75	129847	20.451	ug/l	97
37) Ethyl Acetate	7.30	43	53560	21.473	ug/l	97
38) Carbon Tetrachloride	8.10	117	143355	21.175	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162876	21.180	ug/l	98
40) Benzene	8.36	78	361520	20.858	ug/l	99
41) Methacrylonitrile	7.53	41	26048	17.999	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	107505	21.464	ug/l	99
43) Isopropyl Acetate	8.46	43	104996	21.149	ug/l	100
44) Trichloroethene	9.11	130	107150	21.044	ug/l	96
45) 1,2-Dichloropropane	9.38	63	86663	20.941	ug/l	100
46) Dibromomethane	9.48	93	46914	20.333	ug/l	94
47) Bromodichloromethane	9.66	83	125969	20.517	ug/l	92
48) Methyl methacrylate	9.46	41	47011	20.110	ug/l	92
49) 1,4-Dioxane	9.47	88	11508	432.554	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	253797	103.424	ug/l	97
52) Toluene	10.41	92	231183	20.330	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	119764	20.923	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	141165	20.915	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	65667	21.118	ug/l	95
56) Ethyl methacrylate	10.66	69	79635	20.507	ug/l	98
57) 1,3-Dichloropropane	10.95	76	112155	20.948	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	155681	105.224	ug/l	98
59) 2-Hexanone	10.98	43	172432	103.529	ug/l	99
60) Dibromochloromethane	11.14	129	88992	20.696	ug/l	100
61) 1,2-Dibromoethane	11.25	107	64802	21.129	ug/l	95
64) Tetrachloroethene	10.88	164	93187	20.901	ug/l	95
65) Chlorobenzene	11.67	112	248358	20.591	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	95962	21.104	ug/l	97
67) Ethyl Benzene	11.75	91	449032	20.511	ug/l	98
68) m/p-Xylenes	11.86	106	343436	40.643	ug/l	97
69) o-Xylene	12.18	106	157685	20.660	ug/l	100
70) Styrene	12.20	104	272883	20.369	ug/l	100
71) Bromoform	12.36	173	53200	20.516	ug/l #	98
73) Isopropylbenzene	12.48	105	435864	21.220	ug/l	100
74) N-amyl acetate	12.29	43	94127	21.437	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	68697	21.290	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	40970m	18.051	ug/l	
77) Bromobenzene	12.77	156	105235	20.851	ug/l	100
78) n-propylbenzene	12.83	91	507443	21.176	ug/l	99
79) 2-Chlorotoluene	12.91	91	273825	20.801	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	357469	21.186	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22160	20.420	ug/l	96
82) 4-Chlorotoluene	13.01	91	295116	21.066	ug/l	100
83) tert-Butylbenzene	13.23	119	311542	21.266	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	353606	21.043	ug/l	98
85) sec-Butylbenzene	13.41	105	426235	21.222	ug/l	99
86) p-Isopropyltoluene	13.52	119	400766	20.869	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	202167	21.012	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	198628	21.015	ug/l	99
89) n-Butylbenzene	13.85	91	370411	21.418	ug/l	100
90) Hexachloroethane	14.12	117	77557	21.142	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	171947	20.958	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11300	21.603	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	129880	21.500	ug/l	97
94) Hexachlorobutadiene	15.28	225	80332	21.133	ug/l	98
95) Naphthalene	15.41	128	202738	21.214	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	110580	21.442	ug/l	98

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

