

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064377.D
 Acq On : 26 Nov 2019 11:56
 Operator : VA/SY
 Sample : VD1126SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Manual Integrations
 APPROVED

apatel
 11/27/2019 5:14:01 PM

Quant Time: Nov 26 13:18:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	485888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	703215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	611980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	294972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	198276	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
35) Dibromofluoromethane	7.91	113	207497	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
50) Toluene-d8	10.34	98	769700	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.64	95	256738	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72252	17.929	ug/l	98
3) Chloromethane	2.21	50	87880	20.331	ug/l	99
4) Vinyl Chloride	2.35	62	107245	23.201	ug/l	99
5) Bromomethane	2.76	94	74918	25.667	ug/l	98
6) Chloroethane	2.92	64	74975	25.384	ug/l	94
7) Trichlorofluoromethane	3.27	101	190134	25.371	ug/l	97
8) Diethyl Ether	3.70	74	39466	19.153	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84887	19.818	ug/l	98
10) Methyl Iodide	4.29	142	80117	17.751	ug/l	99
11) Tert butyl alcohol	5.25	59	24189	86.664	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	81220	19.893	ug/l	95
13) Acrolein	3.93	56	13165	55.755	ug/l	92
14) Allyl chloride	4.71	41	128997	17.870	ug/l	95
15) Acrylonitrile	5.43	53	84571	96.272	ug/l	99
16) Acetone	4.17	43	78310	82.720	ug/l	93
17) Carbon Disulfide	4.40	76	224617	17.666	ug/l	98
18) Methyl Acetate	4.73	43	48538	18.357	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	180685	18.538	ug/l	99
20) Methylene Chloride	4.96	84	88565	18.520	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	91615	19.806	ug/l	92
22) Diisopropyl ether	6.37	45	248400	18.546	ug/l	97
23) Vinyl Acetate	6.31	43	694224	92.984	ug/l	99
24) 1,1-Dichloroethane	6.26	63	154656	19.887	ug/l	99
25) 2-Butanone	7.22	43	110049	89.978	ug/l	100
26) 2,2-Dichloropropane	7.20	77	142331	18.662	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	99925	20.144	ug/l	96
28) Bromochloromethane	7.54	49	44252	16.344	ug/l	99
29) Tetrahydrofuran	7.57	42	64451	87.707	ug/l	95
30) Chloroform	7.71	83	166668	20.952	ug/l	99
31) Cyclohexane	7.98	56	145650	18.570	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	148414	19.484	ug/l	99
36) 1,1-Dichloropropene	8.11	75	124083	19.119	ug/l	98
37) Ethyl Acetate	7.30	43	49592	18.125	ug/l	96
38) Carbon Tetrachloride	8.09	117	135318	19.486	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	152144	18.526	ug/l	99
40) Benzene	8.35	78	348455	19.645	ug/l	100
41) Methacrylonitrile	7.53	41	26021	15.131	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	101101	18.978	ug/l	98
43) Isopropyl Acetate	8.46	43	98517	17.476	ug/l	96
44) Trichloroethene	9.11	130	104726	19.672	ug/l	100
45) 1,2-Dichloropropane	9.39	63	85002	19.689	ug/l	99
46) Dibromomethane	9.47	93	44733	19.354	ug/l	98
47) Bromodichloromethane	9.66	83	121203	19.468	ug/l	99
48) Methyl methacrylate	9.46	41	44505	16.145	ug/l	91
49) 1,4-Dioxane	9.47	88	10230	368.538	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	241582	89.363	ug/l	99
52) Toluene	10.40	92	224438	19.243	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	111761	17.919	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	135262	18.584	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	62504	19.935	ug/l	97
56) Ethyl methacrylate	10.66	69	77633	17.700	ug/l	96
57) 1,3-Dichloropropane	10.95	76	106835	19.538	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	199230	112.137	ug/l	100
59) 2-Hexanone	10.98	43	169199	87.973	ug/l	100
60) Dibromochloromethane	11.14	129	84730	19.367	ug/l	98
61) 1,2-Dibromoethane	11.25	107	60804	19.362	ug/l	100
64) Tetrachloroethene	10.87	164	91437	19.427	ug/l	95
65) Chlorobenzene	11.67	112	244499	19.647	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	90635	19.154	ug/l	100
67) Ethyl Benzene	11.74	91	434026	19.281	ug/l	99
68) m/p-Xylenes	11.86	106	326477	37.838	ug/l	100
69) o-Xylene	12.18	106	150944	18.863	ug/l	98
70) Styrene	12.20	104	259434	18.573	ug/l	98
71) Bromoform	12.36	173	49754	18.475	ug/l #	96
73) Isopropylbenzene	12.48	105	423081	19.541	ug/l	99
74) N-amyl acetate	12.29	43	87538	17.121	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	64080	19.642	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	38806m	16.333	ug/l	
77) Bromobenzene	12.77	156	102763	19.537	ug/l	98
78) n-propylbenzene	12.83	91	490574	19.832	ug/l	99
79) 2-Chlorotoluene	12.91	91	268504	19.226	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	341545	19.198	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	19707	16.476	ug/l	92
82) 4-Chlorotoluene	13.01	91	279170	19.165	ug/l	99
83) tert-Butylbenzene	13.23	119	303873	19.371	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	336861	19.179	ug/l	100
85) sec-Butylbenzene	13.41	105	414991	19.696	ug/l	99
86) p-Isopropyltoluene	13.52	119	385302	19.236	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	188879	19.345	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	188763	19.808	ug/l	98
89) n-Butylbenzene	13.85	91	352495	19.478	ug/l	98
90) Hexachloroethane	14.12	117	70431	19.026	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	160873	19.466	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10998	18.855	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	125878	19.745	ug/l	97
94) Hexachlorobutadiene	15.28	225	77384	18.793	ug/l	96
95) Naphthalene	15.41	128	196145	18.769	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	103164	19.037	ug/l	99

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

