

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010720\
 Data File : VD064791.D
 Acq On : 07 Jan 2020 14:15
 Operator : VA/SY
 Sample : VD0107SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0107SBS01

Manual Integrations
 APPROVED

apatel
 1/8/2020 9:26:36 AM

Quant Time: Jan 08 08:05:55 2020
 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	327414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	482231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	428501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	211149	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	160385	55.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.10%	
35) Dibromofluoromethane	7.92	113	158379	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	10.34	98	601055	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.64	95	189895	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	52059	20.459	ug/l	97
3) Chloromethane	2.21	50	80286	22.561	ug/l	98
4) Vinyl Chloride	2.35	62	97108	22.381	ug/l	95
5) Bromomethane	2.76	94	70401	22.315	ug/l	95
6) Chloroethane	2.92	64	66375	22.830	ug/l	99
7) Trichlorofluoromethane	3.27	101	161981	22.172	ug/l	98
8) Diethyl Ether	3.71	74	33512	23.100	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	63768	21.076	ug/l	99
10) Methyl Iodide	4.29	142	68383	21.041	ug/l	98
11) Tert butyl alcohol	5.26	59	18838	113.852	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	64029	22.228	ug/l	97
13) Acrolein	3.92	56	20313	88.090	ug/l	97
14) Allyl chloride	4.70	41	102294	22.777	ug/l	99
15) Acrylonitrile	5.43	53	68550	113.438	ug/l	97
16) Acetone	4.17	43	72702	114.442	ug/l	92
17) Carbon Disulfide	4.40	76	196304	21.076	ug/l	99
18) Methyl Acetate	4.73	43	40461	24.893	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	144039	22.513	ug/l	96
20) Methylene Chloride	4.97	84	77890	23.820	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	72795	22.190	ug/l	95
22) Diisopropyl ether	6.37	45	210186	23.464	ug/l	97
23) Vinyl Acetate	6.31	43	571670	112.500	ug/l	99
24) 1,1-Dichloroethane	6.26	63	127936	23.790	ug/l	97
25) 2-Butanone	7.22	43	93216	117.461	ug/l	92
26) 2,2-Dichloropropane	7.21	77	110443	22.089	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	80311	22.684	ug/l	98
28) Bromochloromethane	7.55	49	42369	20.268	ug/l	98
29) Tetrahydrofuran	7.57	42	55996	113.463	ug/l	99
30) Chloroform	7.71	83	134062	23.761	ug/l	97
31) Cyclohexane	7.98	56	112874	20.968	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	124175	23.432	ug/l	99
36) 1,1-Dichloropropene	8.11	75	103264	22.248	ug/l	99
37) Ethyl Acetate	7.30	43	39407	21.612	ug/l #	96
38) Carbon Tetrachloride	8.10	117	108372	21.897	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	117142	20.838	ug/l	94
40) Benzene	8.35	78	285579	22.539	ug/l	99
41) Methacrylonitrile	7.53	41	26827	25.358	ug/l	94
42) 1,2-Dichloroethane	8.43	62	85192	23.267	ug/l	99
43) Isopropyl Acetate	8.46	43	78348	21.587	ug/l	99
44) Trichloroethene	9.11	130	81732	21.958	ug/l	100
45) 1,2-Dichloropropane	9.39	63	70807	23.405	ug/l	100
46) Dibromomethane	9.48	93	38079	22.576	ug/l	99
47) Bromodichloromethane	9.66	83	102639	22.868	ug/l	94
48) Methyl methacrylate	9.46	41	37144	21.736	ug/l	91
49) 1,4-Dioxane	9.47	88	8887	456.943	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	196984	109.808	ug/l	98
52) Toluene	10.40	92	185749	22.345	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	94892	22.677	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	113804	23.065	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	53945	23.732	ug/l	95
56) Ethyl methacrylate	10.66	69	62277	21.937	ug/l	97
57) 1,3-Dichloropropane	10.95	76	89701	22.919	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	123487	114.174	ug/l	99
59) 2-Hexanone	10.99	43	140927	115.746	ug/l	99
60) Dibromochloromethane	11.14	129	70389	22.392	ug/l	98
61) 1,2-Dibromoethane	11.25	107	49378	22.024	ug/l	96
64) Tetrachloroethene	10.88	164	71018	21.603	ug/l	91
65) Chlorobenzene	11.67	112	198608	22.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	75756	22.595	ug/l	98
67) Ethyl Benzene	11.75	91	355091	21.998	ug/l	97
68) m/p-Xylenes	11.86	106	272215	43.690	ug/l	100
69) o-Xylene	12.18	106	121369	21.566	ug/l	100
70) Styrene	12.20	104	216354	21.902	ug/l	99
71) Bromoform	12.37	173	42304	22.126	ug/l #	99
73) Isopropylbenzene	12.48	105	328457	21.768	ug/l	99
74) N-amyl acetate	12.29	43	71542	22.180	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	54811	23.123	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	35383m	21.221	ug/l	
77) Bromobenzene	12.77	156	82326	22.204	ug/l	98
78) n-propylbenzene	12.83	91	394583	22.415	ug/l	100
79) 2-Chlorotoluene	12.91	91	216290	22.367	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	272631	21.995	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	18203	22.833	ug/l	98
82) 4-Chlorotoluene	13.01	91	228502	22.204	ug/l	99
83) tert-Butylbenzene	13.23	119	231696	21.529	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	273482	22.154	ug/l	98
85) sec-Butylbenzene	13.41	105	327403	22.191	ug/l	99
86) p-Isopropyltoluene	13.53	119	305983	21.689	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	158579	22.436	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	154610	22.267	ug/l	99
89) n-Butylbenzene	13.86	91	277418	21.836	ug/l	99
90) Hexachloroethane	14.12	117	59320	22.012	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	132631	22.006	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	8994	23.406	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	97121	21.885	ug/l	97
94) Hexachlorobutadiene	15.28	225	59854	21.434	ug/l	98
95) Naphthalene	15.41	128	147424	20.999	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	80271	21.188	ug/l	98

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

