

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066859.D
 Acq On : 24 Sep 2020 18:56
 Operator : VA/SY
 Sample : L4127-04MS
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MS

Manual Integrations
 APPROVED

MMDadoda
 9/25/2020 4:00:14 PM

Quant Time: Sep 25 02:24:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	304491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	519455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	406780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	123217	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	163307	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
35) Dibromofluoromethane	7.91	113	164358	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.34	98	502625	44.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.28%	
62) 4-Bromofluorobenzene	12.63	95	143141	37.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	114541	54.468	ug/l	92
3) Chloromethane	2.21	50	150550	53.813	ug/l	95
4) Vinyl Chloride	2.35	62	144898	52.425	ug/l	93
5) Bromomethane	2.77	94	107166	55.164	ug/l	96
6) Chloroethane	2.93	64	94919	55.302	ug/l	98
7) Trichlorofluoromethane	3.27	101	274015	48.274	ug/l	100
8) Diethyl Ether	3.71	74	87312	60.589	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	138250	42.003	ug/l	99
10) Methyl Iodide	4.30	142	149600	51.506	ug/l	98
11) Tert butyl alcohol	5.22	59	46615	261.023	ug/l	99
12) 1,1-Dichloroethene	4.07	96	155180	52.045	ug/l	99
13) Acrolein	3.92	56	51056	232.230	ug/l	97
14) Allyl chloride	4.71	41	249056	56.885	ug/l	98
15) Acrylonitrile	5.42	53	174269	272.886	ug/l	100
16) Acetone	4.16	43	179174	283.409	ug/l	100
17) Carbon Disulfide	4.41	76	436252	47.857	ug/l	98
18) Methyl Acetate	4.72	43	121595	89.033	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	398790	61.588	ug/l	99
20) Methylene Chloride	4.97	84	228685	69.266	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	186868	54.127	ug/l	90
22) Diisopropyl ether	6.36	45	562914	62.531	ug/l	98
23) Vinyl Acetate	6.31	43	1007081m	206.520	ug/l	
24) 1,1-Dichloroethane	6.27	63	337153	55.984	ug/l #	98
25) 2-Butanone	7.21	43	202600	266.668	ug/l	98
26) 2,2-Dichloropropane	7.21	77	274083	49.655	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	214246	57.115	ug/l	99
28) Bromochloromethane	7.55	49	150333	60.424	ug/l	98
29) Tetrahydrofuran	7.56	42	136315	280.018	ug/l	97
30) Chloroform	7.71	83	362306	55.811	ug/l	99
31) Cyclohexane	7.98	56	161415	29.788	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	291827	49.694	ug/l	100
36) 1,1-Dichloropropene	8.11	75	221100	42.904	ug/l	99
37) Ethyl Acetate	7.29	43	90377	48.511	ug/l	98
38) Carbon Tetrachloride	8.10	117	237320	42.122	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	118945	20.103	ug/l	92
40) Benzene	8.35	78	731982	50.965	ug/l	96
41) Methacrylonitrile	7.53	41	60085m	52.445	ug/l	
42) 1,2-Dichloroethane	8.43	62	214746	50.577	ug/l	99
43) Isopropyl Acetate	8.45	43	177848	49.515	ug/l	99
44) Trichloroethene	9.11	130	181478	44.330	ug/l	100
45) 1,2-Dichloropropane	9.38	63	186910	51.724	ug/l	99
46) Dibromomethane	9.47	93	100591	51.234	ug/l	99
47) Bromodichloromethane	9.66	83	269581	51.113	ug/l	99
48) Methyl methacrylate	9.46	41	101465	57.296	ug/l	93
49) 1,4-Dioxane	9.46	88	26544	1214.412	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	484702	266.324	ug/l	98
52) Toluene	10.40	92	419682	45.364	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	220988	49.228	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	274506	50.150	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	145735	53.995	ug/l	94
56) Ethyl methacrylate	10.66	69	160018	55.342	ug/l	96
57) 1,3-Dichloropropane	10.94	76	221157	49.622	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	340469	248.683	ug/l	99
59) 2-Hexanone	10.98	43	347537	283.162	ug/l	98
60) Dibromochloromethane	11.14	129	166558	47.282	ug/l	99
61) 1,2-Dibromoethane	11.24	107	122934	48.968	ug/l	96
64) Tetrachloroethene	10.87	164	127651	43.626	ug/l	97
65) Chlorobenzene	11.67	112	399764	47.212	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	167183	52.168	ug/l	99
67) Ethyl Benzene	11.74	91	662492	44.548	ug/l	98
68) m/p-Xylenes	11.85	106	511669	90.875	ug/l	99
69) o-Xylene	12.18	106	255649	50.213	ug/l	99
70) Styrene	12.20	104	405792	45.896	ug/l	99
71) Bromoform	12.36	173	81648	50.320	ug/l #	100
73) Isopropylbenzene	12.48	105	490606	55.117	ug/l	99
74) N-amyl acetate	12.28	43	186515	107.300	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.73	83	117839	76.721	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	78520m	76.896	ug/l	
77) Bromobenzene	12.76	156	137654	66.123	ug/l	99
78) n-propylbenzene	12.82	91	496656	46.379	ug/l	99
79) 2-Chlorotoluene	12.91	91	335958	55.054	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	448640	59.401	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	34241	83.896	ug/l	93
82) 4-Chlorotoluene	13.01	91	323193	50.242	ug/l	99
83) tert-Butylbenzene	13.23	119	273191	44.018	ug/l	94
84) 1,2,4-Trimethylbenzene	13.27	105	551464	73.633	ug/l	100
85) sec-Butylbenzene	13.40	105	298666	33.465	ug/l	99
86) p-Isopropyltoluene	13.52	119	295000	36.670	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	172331	41.900	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	175337	42.923	ug/l	96
89) n-Butylbenzene	13.84	91	222760	29.133	ug/l	92
90) Hexachloroethane	14.11	117	59069	36.167	ug/l	86
91) 1,2-Dichlorobenzene	13.89	146	160807	45.700	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18234	73.798	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	47315	21.360	ug/l #	79
94) Hexachlorobutadiene	15.27	225	13508	10.176	ug/l	94
95) Naphthalene	15.41	128	250171	66.523	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	41387	21.647	ug/l #	68

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

