

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121619\
 Data File : VY000947.D
 Acq On : 16 Dec 2019 11:52
 Operator : SY/MD
 Sample : VY1216SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

Manual Integrations
 APPROVED

apatel
 12/17/2019 12:49:47 PM

Quant Time: Dec 17 07:09:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	311291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	545204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	481065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	227384	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	154600	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
35) Dibromofluoromethane	7.72	113	153923	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	10.18	98	633173	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.48	95	219702	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	59827	17.854	ug/l	94
3) Chloromethane	2.12	50	76715	18.572	ug/l	98
4) Vinyl Chloride	2.25	62	76295	18.742	ug/l	99
5) Bromomethane	2.64	94	49020	18.457	ug/l	100
6) Chloroethane	2.79	64	46503	18.631	ug/l	91
7) Trichlorofluoromethane	3.13	101	107710	19.306	ug/l	97
8) Diethyl Ether	3.53	74	40530	19.302	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	70208	20.378	ug/l	98
10) Methyl Iodide	4.09	142	73781	17.009	ug/l	97
11) Tert butyl alcohol	4.97	59	30787	92.514	ug/l #	91
12) 1,1-Dichloroethene	3.87	96	68883	20.182	ug/l	96
13) Acrolein	3.73	56	29989	91.482	ug/l	99
14) Allyl chloride	4.48	41	117314	20.046	ug/l	96
15) Acrylonitrile	5.18	53	106323	98.058	ug/l	97
16) Acetone	3.95	43	71803	94.628	ug/l	97
17) Carbon Disulfide	4.19	76	210802	19.096	ug/l	97
18) Methyl Acetate	4.48	43	54401	17.146	ug/l	96
19) Methyl tert-butyl Ether	5.22	73	177621	19.486	ug/l	98
20) Methylene Chloride	4.72	84	86100	21.526	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	76030	19.598	ug/l	92
22) Diisopropyl ether	6.13	45	239483	19.910	ug/l	100
23) Vinyl Acetate	6.07	43	719579	98.404	ug/l	97
24) 1,1-Dichloroethane	6.02	63	135903	20.499	ug/l	98
25) 2-Butanone	6.99	43	126320	90.120	ug/l	99
26) 2,2-Dichloropropane	6.99	77	108390	19.425	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	86354	20.593	ug/l	97
28) Bromochloromethane	7.34	49	29904	13.822	ug/l	97
29) Tetrahydrofuran	7.35	42	85760	92.331	ug/l	100
30) Chloroform	7.52	83	123566	18.580	ug/l	94
31) Cyclohexane	7.79	56	134555	19.159	ug/l	92
32) 1,1,1-Trichloroethane	7.71	97	108780	19.808	ug/l	98
36) 1,1-Dichloropropene	7.92	75	103790	19.146	ug/l	100
37) Ethyl Acetate	7.08	43	56029	17.900	ug/l	100
38) Carbon Tetrachloride	7.91	117	95551	19.792	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	137073	19.085	ug/l	98
40) Benzene	8.16	78	315475	19.979	ug/l	100
41) Methacrylonitrile	7.32	41	29732m	18.022	ug/l	
42) 1,2-Dichloroethane	8.24	62	79023	19.029	ug/l	99
43) Isopropyl Acetate	8.28	43	104500	17.716	ug/l	99
44) Trichloroethene	8.94	130	83957	20.689	ug/l	91
45) 1,2-Dichloropropane	9.22	63	79619	20.074	ug/l	98
46) Dibromomethane	9.31	93	39821	19.215	ug/l	99
47) Bromodichloromethane	9.50	83	93646	19.236	ug/l	98
48) Methyl methacrylate	9.29	41	45134	17.400	ug/l	93
49) 1,4-Dioxane	9.30	88	11419	388.885	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	281586	92.393	ug/l	98
52) Toluene	10.24	92	196368	20.085	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	101932	19.489	ug/l	99
54) cis-1,3-Dichloropropene	9.92	75	122514	19.817	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	60119	19.636	ug/l	95
56) Ethyl methacrylate	10.50	69	83141	18.982	ug/l	98
57) 1,3-Dichloropropane	10.79	76	103329	19.364	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	172653	97.763	ug/l	99
59) 2-Hexanone	10.83	43	190037	85.572	ug/l	99
60) Dibromochloromethane	10.99	129	62957	19.101	ug/l	99
61) 1,2-Dibromoethane	11.09	107	55578	19.261	ug/l	98
64) Tetrachloroethene	10.72	164	84804	20.290	ug/l	99
65) Chlorobenzene	11.51	112	199105	19.911	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	68834	20.426	ug/l	99
67) Ethyl Benzene	11.59	91	372915	20.024	ug/l	97
68) m/p-Xylenes	11.70	106	277216	39.658	ug/l	100
69) o-Xylene	12.03	106	133898	20.544	ug/l	96
70) Styrene	12.04	104	224461	20.113	ug/l	98
71) Bromoform	12.20	173	36864	19.396	ug/l #	98
73) Isopropylbenzene	12.33	105	352646	19.478	ug/l	99
74) N-amyl acetate	12.14	43	94763	18.805	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	65144	18.261	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	46635m	18.102	ug/l	
77) Bromobenzene	12.61	156	77539	19.758	ug/l	98
78) n-propylbenzene	12.67	91	429211	19.416	ug/l	99
79) 2-Chlorotoluene	12.75	91	236378	19.355	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	294409	19.640	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	23989	18.291	ug/l	93
82) 4-Chlorotoluene	12.85	91	244196	19.408	ug/l	99
83) tert-Butylbenzene	13.07	119	250311	19.861	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	290863	19.394	ug/l	97
85) sec-Butylbenzene	13.25	105	364770	19.901	ug/l	99
86) p-Isopropyltoluene	13.36	119	319206	20.022	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	153091	19.885	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	149176	19.570	ug/l	98
89) n-Butylbenzene	13.69	91	320458	19.881	ug/l	100
90) Hexachloroethane	13.96	117	57619	19.620	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	140091	20.230	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11046	18.496	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	92716	19.786	ug/l	98
94) Hexachlorobutadiene	15.11	225	48011	20.665	ug/l	99
95) Naphthalene	15.23	128	205521	18.889	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	83486	19.946	ug/l	98

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

